

1ST AND 2ND EDITIONS		PROCESSES AND PROPERTIES INDEX	
C4		11-H	
<p>Liver in autoregulation of the blood-sugar level - liver function in depancreatized and adrenalectomized animals. S. G. Gross. <i>Nyall. Exptl. Biol. Med.</i> 19, No. 4/5, 58-62 (1940). - Studies were made on fasting dogs. Since insulin increases the storage of glycogen in the liver, it should diminish the secretion of sugar from the liver into the blood. It was found, however, that while the sugar level in the blood was lowered, its elimination by the liver was greater. The function of the liver to regulate the blood-sugar level is not lost but only modified by injections of insulin, and it is not lost even after pancreatectomy and adrenalectomy.</p> <p style="text-align: right;">D. I. Macht</p>			
<p>ASB. 11.1 DETAILING LITERATURE CLASSIFICATION</p>			
<p>RECORD NO.</p>		<p>RECORD NO.</p>	
<p>RECORD NO.</p>		<p>RECORD NO.</p>	

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
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<p>Disturbance of phosphorylation processes in adrenalectomized animals. P. R. Normark, S. G. Genes, N. I. Hereshanova, L. S. Hudova, L. I. Dmitrievskaya, R. Ya. Marchuk, and M. S. Rodkina (Inst. Raptl. Endocrinol. Kharkov). <i>Soyuz. Khim. Med. Med.</i> 20, 217-20 (1947). Dogs, after adrenalectomy, were kept in a thermostat to maintain body temp. until muscular function was ineffective; then they were decapitated. P analyses showed that in skeletal muscle there was no appreciable difference from controls in total P, acid-sol. P, or adenosinetriphosphate. However, creatine phosphate was about 60% of normal, and inorg. P was 60% higher than normal. The blood values were: 100% increase of total and acid-sol. P over control values and 81% increase of inorg. P. G. M. K.</p>																																																			
A. A. A. METALLOGRAPHIC LITERATURE CLASSIFICATION																										22-2																									
22-2																										22-2																									

GENES, S.G.

42597. Znachenije IV sessii Vsesoyuznoy Akademii Sel'skokhozyaystvennykh Nauk Im. V.I. Lenina Olya Meditsiny. Vracheb. Delo, 1948, No. 11, Stb. 955-62.

GENES, S. G.

Honored Worker of Science Prof.

"Treatment of Diabetic Patients by the Method of Genes and Reznitskaya,"  
Klin. med., 26, No.4, 1948

Sec. of Pathophysiology, Ukr. Inst. Experimental Endocrinology, Khar'kov

GENES, S.G.

Genes, S.G. "On the pathogenesis of sugar diabetes and the mechanism of insulin action",  
Vracheb. delo, 1949, No. 1, paragraphs 52-64.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)

GENES, S. G. Prof.

"Basic Principles of Diabetic Treatment," Sov. Med., No.2, 1949

Dept. of Pathophysiology, Ukr. Inst. Experimental Endocrinology

1973, S. 1.

24350

1973, S. 1. O roli russkikh issledovateley v razrabotke ushchizhnykh i neizvestnykh  
tochniznurendi. Arkhiv patologii, 1970, VII. 4, S. 9-10. - Bibliogr: S. 11.

SC: Letopis, No. 32, 1970.

GENES, S. S.

24326

GENES, S. S. Otsenka vyнослиvosti organizma k upravleniyu intensivnoy  
alimentarnoy giperglikemii. Vracheb. Delo, 1949, No. 1, Str. 173-81.

SO: Letopis, No. 32, 1949.



TR 42/47 77

GENES, S. G.

USSR/Medicine - Physiology  
Medicine - Stomach Secretions

Jan/Feb 49

"Development of the Nerve Phase of Gastric Secretions in Allergic Dogs," S. G. Genes, N. G. Leasnoy, Pathophysiol Sec, Ukrainian Inst of Experimental Endocrinol, 22 pp

"Arkhiv Patologii" Vol XI, No 1

Describes series of experiments on dogs. Observed secretion of the pathogenic mucous membrane of the stomach during simulated feeding. Plots and discussed results. Submitted 2 Apr 47.

42/49T59

CA

11a

Inositol and carbohydrate metabolism. S. G. Conner.  
*Uspokhi Sverennost Biol. (Advances in Modern Biol)*  
 27, 443-60(1969).—Review with many references.  
 G. M. Konolapoff

ASB-35.4 METALLURGICAL LITERATURE CLASSIFICATION

GENES, S. G.

Prof.

"Achievements of Russian Scientists in the Field of Sugar Diabetes," Klin.  
med., 27, No.11, 1949

Ukr. Inst. Experimental Endocrinology  
Khar'kov Inst. for the Advancement of Doctors

1031. The Time before Meals at which Insulin should be given to Diabetics. (За сколько времени до еды вводить больному диабетом инсулин?) Клиническая Медицина [Klin. Med., Mosk.] 28, No. 2, 57-60, Feb., 1950. 6 refs.

The question of the time before meals at which insulin should be given was investigated in 30 patients with diabetes mellitus and 5 depancreatized dogs. Insulin was given 15, 20, 30, 60, 90, or 120 minutes before a meal of 50, 100, or 150 g. glucose. It was found that insulin given 60 minutes before the glucose was most effective, preventing alimentary glycosuria, allowing the greatest carbohydrate intake, and preventing an abnormally high level of blood glucose.

[The insulin appears to have been soluble (this is not explicit) and no reference is made to zinc protamine or globulin insulin.]

Jeffrey Bass

See also Section Physiology and Biochemistry, Abstract 896.

Abstracts of World Medicine  
Vol 8 1950

115

CA

Does insulin increase the utilization of carbohydrates?  
N. S. Veller, S. G. Geras, and N. T. Dementii (Ukrain  
Inst., Kharkov). *Proc. Acad. Sci. USSR* 36, 710-22  
(1959) - Study of normal and completely depancreatized  
dogs showed that while insulin administered to normal dogs  
lowers the transfer of sugar and O from the blood into the  
musculature of the hind part of the body and the elimination  
of CO<sub>2</sub> from the latter, in depancreatized dogs the transfer  
of sugar from the blood is stopped, and the transfer of O<sub>2</sub>  
from blood to tissue is increased as is the transfer of CO<sub>2</sub>  
from tissue into the venous blood. The respiratory quo-  
tient of the muscles of hind quarters is increased in normal  
dogs and is unchanged in depancreatized ones. The results  
explain the drop of sugar level in blood in depancreatized  
dogs. Thus, insulin may facilitate utilization of sugar  
(transformation to glycogen or fat) when the sugar level is  
high, but when the latter is low, insulin does not facilitate  
sugar transfer into the tissues in normal animals, while in  
depancreatized animals it lowers the rate of sugar transfer  
into tissues and increases the rate of its oxidation there.  
G. M. Kozlovskii

Dept. Pathophysiol. Ukr. Inst. Experimental Endocrinology.  
Kharkov

GEWEL, S.G.

HENES, S.H.; SHTERENSON, F.N.; DEMENTIY, M.T.

Effect of different diets on the course of diabetes. Medych.zhur. 22 no.6:31-40 '52. (MLHA 6:10)

1. Ukrayins'kyi instytut eksperymental'noyi endokrynologiyi.  
(Diabetes) (Diet in disease)

GENES, S.G.

Effect of hormones on the central nervous system. Usp. sovrem. biol.  
35 no.2:229-256 Mar-Apr 1953. (CLML 24:3)

1. Khar'kov.

GENES, S.G., professor (Khar'kov)

~~Lesions of the organism and its adaptive reactions in diabetes mellitus. Terap. arkh. 26 no.3:20-30 My-Je '54. (MIRA 7:9)~~

Lesions of the organism and its adaptive reactions in diabetes mellitus. Terap. arkh. 26 no.3:20-30 My-Je '54. (MIRA 7:9)  
(DIABETES MELLITUS, physiology)



GENES, S.G. (Khar'kov).

Neural regulation of the functions of endocrine glands. Usp.  
sovr.biol.37 no.1:44-73 Jan-F '54. (MLRA 7:2)  
(Nervous system) (Glands, Ductless)

GENES, S. G.

OMENS, S.G.

Method of prolonged investigation of gastric evacuation under  
water load. Bull. eksp. biol. i med. 37 no. 4: 74-76 Ap '54.  
(MLRA 7:7)

1. Iz Ukrainakogo instituta eksperimental'noy endokrinologii  
(Khar'kov)

(STOMACH, physiology,  
\*evacuation, of water)

GENES, S.G.

[Nervous system and internal secretion] Nervnaya sistema i  
vmutrennaya sekretsia. Moskva, Medgiz, 1955. 262 p.

(MLA 8:9)

(NERVOUS SYSTEM) (ENDOCRINOLOGY)

VELLER, N.S.; GENES, S.G.; RODKINA, B.S.; CHARNAYA, P.M.

Role of the nervous system in the development of diabetes mellitus.  
Probl.endok. i gorm. 1 no.1:77-84 Ja-F '55. (MLRA 8:10)

1. Iz otdela patofiziologii (sav.--zasluzhennyy deyatel' nauk  
prof. S.G.Genes) Ukrainskogo instituta eksperimental'noy endokri-  
nologii (dir.--kandidat meditsinskikh nauk S.V.Maksimov)

(DIABETES MELLITUS, etiology and pathogenesis,  
CNS pathogen.role)

(CENTRAL NERVOUS SYSTEM, in various diseases,  
diabetes mellitus, pathogen.role)

GENES, S.G.

Med 6723. Mechanism of the effect of alcohol on the secretion of gastric juice. S. G. Genes and N. G. Leonid Furmakh. i Tekhnol. 1955, 18, 32-36; Referat. Zh. Biol. Khim., 1956, Abstr. No. 88200.—A study was made of the influence of the c.n.s. in varying states on the "alcoholic" secretion of gastric juice. Experiments were made on 9 dogs with stomach fistulas. 20 ml. of 60% alcohol were introduced on an empty stomach, and this resulted in a certain amount of secretion. If atropine (1-1.5 mg.) was injected subcut. the amount of secretion was lowered to nearly one third. I.v. injection of 15 mg. of pentylenetetrazol, about 30 min. before alcohol, increased the secretion considerably. If the c.n.s. was depressed by chloral hydrate and amyl barbiturate the alcohol produced virtually no secretion of gastric juice. Similar experiments were made with castrated dogs. The "alcoholic" secretion of gastric juice is controlled to a considerable extent by higher sections of the c.n.s. (Russian). E. L. PARKS

LIBERMAN, D.L.; CHEPURNAYA, T.D.; GENES, Semen Grigor'yovich, otv.red.

[Physiology and pathology of digestion; short bibliographical index of Russian literature 1953-1955] *Fiziologiya i patologiya pishchevarenia; kratkii bibliograficheskii ukazatel' otechestvennoi literatury za 1953-1955 gg.* Khar'kov, 1956. 83 p.  
(MIRA 13:9)

1. Kharkov. Kar'kovskaya gosudarstvennaya nauchno-meditsinskaya biblioteka.

(BIBLIOGRAPHY--DIGESTION)

GENES, S.G., professor; BAZLOV, Ye.A., dotsent; GAMPER, V.V., dotsent; GENES, V.E., starshiy nauchnyy sotrudnik.

Hyperestrogenisation and its significance in the development of  
human breast cancer. Vop. onk. 2 no.1:19-25 '56 (MIRA 9:4)

1. Ukrainskiy institut eksperimental'noy endokrinologii (dir.-S.V.  
Maksimov) i Ukrainskiy rentgeno-onkologicheskiy institut (dir.-  
dotsent Ye.A. Baslov)

(BREAST, neoplasms  
hyperfolliculinism in, review)

(ESTROGENS  
hyperfolliculinism in breast cancer, review)

GENES, S.G. (Khar'kov); LESNOY, N.O. (Khar'kov)

The effect of pregnancy and lactation on the evacuation and secretion of the stomach in dogs. Probl.endokr. i gorm 2 no.2:88-94 Mr-Apr '56.  
(MLRA 9:10)

1. Iz kafedry patologicheskoy fiziologii Ukrainskogo instituta usovershenstvovaniya vrachey (dir. I.I.Ovsiyenko) i otdela patologicheskoy fiziologii Ukrainskogo instituta eksperimental'noy endokrinologii (dir. kandidat meditsinskikh nauk S.V.Maksimov)

(PREGNANCY, physiol.

eff. on gastric evacuation & secretory system in dogs)

(LACTATION, physiol.

same)



GENES, S.G. (Khar'kov); LASHOY, N.G. (Khar'kov)

Effect of the thyroid hormone on the capacity of the organism to  
excrete excessive water. Probl. endok. i gorm. 2 no.3:38-48 My-Je '56  
(MLRA 9:10)

1. Iz otdela patofiziologii (sav. - zaslushenny deyatel' nauki prof.  
S.G.Genes) Ukrainskogo instituta eksperimental'noy endokrinologii  
(dir. - kandidat meditsinskikh nauk S.V.Maksimov)

(WATER, metab.

renal excretion after excessive intake in dogs, eff.  
of thyroid gland hormones)

(THYROID GLAND, hormones

eff. on renal excretion of water after excessive intake  
in dogs)

BY PPTA 1-ADICA Sec 2 Vol 11/7 Physiology July 55

3036. THE REFLEX INFLUENCE OF FOOD ON THE EMPTYING FUNCTION OF THE STOMACH IN DOGS (Russian text) - Genes S. G. and Lesnoi N. G. Ukrainian Inst. of Exp. Endocrinol., Kharkov - VOPR. PITAN. 1956, 15/5 (67-69)

Observations were made on the emptying function of the stomach in dogs in response to sham feeding or on showing them various foods. It was found that in most cases the emptying of the stomach was influenced by the action of food on the gustatory receptors of the mouth and on the olfactory and visual receptors, and in some dogs by seeing and smelling the food without even tasting it. The pattern of the changes in the emptying of the stomach depended in some dogs on the quality of food, while in others the changes were always similar. These observations have demonstrated the influence of the CNS on the emptying function of the stomach in response to the action of varied food before it entered the stomach. In most cases the emptying was slowed down in the first hour, and increased in the third. This shows the usefulness of such a reaction, and the readiness of the stomach to digest the food, to retain it for 1 to 1.5 hr. and to increase the emptying function in the 3rd hour.

Krymskii - Moscow (S)

GENES SG.

*med* Effect of nervous system on histaminic secretion of gastric juice. S. O. Genes, N. G. Lesnoi, and M. Z. Yurchenko. Inst. Rept. Endocrinol., Kharkov. *Fiziol. Zhur. S.S.S.R.* 42, 420-4 (1966).—Luminal, Na amylal, bromides, and sex hormones in their action on the brain lower the amount of gastric secretion produced by histamine, while perritin serves to increase the amount of secretion, and medinal does not cause any change. Only medinal affects the digestive ability of the juice. O. M. Kozolapoff

3

GENES, S.O.

[Diabetes mellitus] Sakharay diabetes. 4. izd., ispr. i dop.  
Kiev, Gos. meditsinskoe izd-vo USSR, 1957. 274 p. (MIRA 11:1)  
(DIABETES)

BY URITA INDICA Sec 6 Vol 13/1 Internal Led. sup 00

4085. THE PHYSIOLOGICAL MECHANISM OF THE ORIGIN OF INSULIN HYPOLYCAEMIA (Russian text) - Genes S.G. - PROBL. ENDOKR. 1957, 1 (3-9)

In recent times a considerable volume of evidence has accumulated, pointing to a central nervous mechanism of action of insulin. At the same time, however, the data on the conditioned reflex action of insulin are not always conclusive. Although attempts to reproduce conditioned reflex hypoglycaemia have proved unsuccessful, conditioned reflex reactions characteristic of the hypoglycaemic symptom complex are regularly observed. If indifferent stimuli were combined with insulin hypoglycaemia they rapidly became converted to conditional ones. Thus, hypoglycaemia acts centrally on the body. Data on a primary action of insulin on vascular interoceptors are not confirmed. The work of the author and collaborators indicates that neither procaine nor narcotics given in doses sufficient to inhibit the vascular receptors in the CNS can modify the sugar-lowering action of insulin.

(S)

USSR / Human and Animal Physiology (Normal and Pathological).  
Digestion.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60433

Author : Gonos, S. G.; Losnoy, N. G.

Inst : Not given

Title : Thyroid Hormone Effect on the Gastric Evacuation  
Function

Orig Pub : Byul. eksperim. biol. i meditsiny, 1957, No 1,  
prilozheniye, 113-117

Abstract : Thyroidectomy and prolonged administration of 6-methylthiouracil to dogs with a Basov gastric fistula weakened the gastric evacuation function (EF); a subsequent administration of raw thyroid brought it back to normal. During Medinal sleep, the gastric EF dropped sharply. Medinal produced a smaller effect of the EF in dogs receiving thyroid in their feed, and a

Card 1/2

GENKS, S.G., zasluzhennyi deystel' nauki, professor (Khar'kov)

Substances lowering the blood sugar level when taken orally. Vrach.  
delo no.6:597-601 Je '57. (MIRA 10:8)  
(BLOOD SUGAR)

Galanin, A.D., professor (Khar'kov)

Role of the endocrine glands in adaptation and compensatory reactions  
of the body [with summary in Russian]. Arkh. nat. 19 no. 5: 1-14 '57.

(ENDOCRINE GLANDS, physiology, (HLA 10:10

adaptation & compensatory role, review (Rus))

(ADAPTATION, physiology

endocrine factors, review (Rus))



GENES, S.G.; LASHMOY, N.G.

Effect of the thyroid hormone on the evacuatory function of the stomach.  
Biul.eksp.biol. i med. 43 no.1 supplement:113-117 '57. (MLRA 10:3)

1. Iz otdela patologicheskoy fiziologii (zav. - zasluzhennyy deyatel'  
nauki prof. S.G.Genes) Ukrainskogo instituta eksperimental'noy  
endokrinologii (dir. - kandidat meditsinskikh nauk S.V.Maksimov)  
Predstavlena deystvitel'nym chlenom AMN SSSR V.N.Chernigovskim.

(THYROID GLAND, hormones

eff. on evacuatory funct. of stomach in dogs)

(STOMACH, physiol.

eff. of thyroid hormone on evacuatory funct.)

GENES, S.G.

Effect of sex hormones and their synthetic analogues on certain gastric functions. Fiziol.shur. 43 no.5:461-468 My '57. (MIRA 10:12)

1. Otdel patofiziologii Ukrainskogo instituta eksperimental'noy endokrinologii, Khar'kov.

(STOMACH, effect of drugs on,  
sex hormones (Rus))

(SEX HORMONES, effects,  
on stomach (Rus))

GENES, S.G. (Khar'kov)

~~Mechanism of the action of thyroxine.~~ Usp.sovr.biol. 44 no.2:186-201

S-O '57.

(MIRA 10:12)

(THYROXINE)

GENES, S.G., prof. (Khar'kov).

Mechanism of the hypoglycemic action of sulfonamides. Probl. endokr.  
i gorm. 4 no.5:3-14 S-O '58. (MIRA 11:12)

(ANTIDIABETICS,  
sulfonamides, review (Rus))

GENES, S.G. (Khar'kov)

Recent data on the mechanism of the effect of insulin on metabolism.  
Usp.sovr.biol. 45 no.2:150-167 Mr-Apr '58 (MIRA 11:6)  
(INSULIN, effects,  
on metab., review (Rus))

GENIS, S.G.; PIAVSKAYA, A.A.; YURCHENKO, M.Z.

Oral therapy in experimental diabetes mellitus. Biul. eksp. biol. i  
med. 46 no.12:48-52 D '58. (MIRA 72:1)

1. Iz otdela patofiziologii (zav. - zaslushennyi deyatel'nauki prof.  
S. G. Genes) Ukrainskogo instituta eksperimental'noy endokrinologii (dir. -  
kand. med. nauk. S.V. Maksimov), Khar'kov. Predstavlena deystvitel'nym  
chlenom AMN SSSR V. N. Chernigovskim.  
(ANTIDIABETICS, effects,  
on exper. diabetes (Rus))

GENES, S. G., VELLER, H. S., CHURKAYA, P. E.

"The Significance of the Brain in the Occurrence of Diabetic Hyperglycemia and its Role in the Utilization of Carbohydrates by the Brain."

Theses of the Proceedings of the Annual Scientific Sessions 23-26 March 1959  
(All-Union Institute of Experimental Endocrinology)

From the Department of Pathophysiology (Head--Professor S. G. Genes, Distinguished Man of Science) of the Ukrainian Institute of Experimental Endocrinology (Director--S. V. Maksimov, Candidate of Medical Sciences)

GENES, S.G.; LESNOY, H.G.; VIASENKO, S.P.; YURCHENKO, M.Z.; PLAVSKAYA, A.A.

Evacuatory function of the stomach in normal and castrated dogs as influenced by different hormonal and pharmacological substances.

Sbor.nauch. trud. Ukr. nauch.-issl. inst. eksper. endok. 15:80-105  
'59. (MIKA 14:11)

(STOMACH) (HORMONES) (PHARMACOLOGY)



GENES, S.O., prof.; PLAVSKAYA, A.A.; CHARNAYA, P.M.; YURCHENKO, M.Z.  
(Khar'kov)

Potentiation and prolongation of the effect of insulin by butamide.  
Pat.fiziol. i eksp. terap. 3 no.4:31-34 Jl-Ag '59. (MIRA 12:12)

1. Iz otdela patofiziologii (zav. - zaslushennyi deyatel' nauki prof.  
S.O. Genes) Ukraineskogo instituta eksperimental'noy endokrinologii.  
(TOLBUTAMIDE pharmacology)  
(INSULIN pharmacology)

GENES, S.G., prof. (Khar'kov)

Occurrence of diabetes mellitus. Probl.endok. i gorm. 5 no.4:91-96  
Jl-Ag '59. (MIRA 13:2)

1. Iz Ukrainskogo instituta eksperimental'noy endokrinologii i Ukrain-  
skogo instituta usovershenstvovaniya vrachey.  
(DIABETES MELLITUS statist.)

GENES, S.G.; PLAVSKAYA, A.A.; YURCHENKO, M.Z.

Mode of action of  $N_1$ -p-tolylsulfonyl- $N_2$ -p-butylurea (butamid)  
[with summary in English]. Farm. i toks. 22 no.1:89-94 Ja-F '59.  
(MIRA 12:4)

1. Otdel patofiziologii (sav. - zasluzhennyi deyatel' nauki prof.  
S.G. Genes) Ukrainakogo instituta eksperimental'noy endokrinologii.  
(ANTIDIABETICS, effects,  
tolbutamide, on blood sugar in animals (Rus))

GENES, S.G.; ALAPIN, G.Ya.; BURTYANSKIY, I.L.

Effect of the thyroid hormone on vicarious processes of the residual kidney following unilateral nephrectomy. Urologiya 24 no.3:19-25  
My-Je '59. (MIRA 12:12)

1. Iz Ukrainского instituta eksperimental'noy endokrinologii (dir. -  
starshiy nauchnyy sotrudnik S.V. Maksimov), Ukrainского instituta  
usovershenstvovaniya vrachev (dir. - dots. I.I. Ovsienko) i 2-y  
Sovetskoy bol'nitsy.

(NEPHRECTOMY, exper.

eff. of thyroxin on residual kidney in animals (Rus))

(THYROXIN, eff.

on residual kidney after unilateral nephrectomy in  
animals (Rus))

GENES, S.O. (Khar'kov).

Relation between the reactivity of the organism to insulin and the  
state of the endocrine glands. Usp.sovr.biol. 48 no.2:218-232 S-0  
'59. (MIRA 13:3)

(INSULIN pharmacol.)  
(ENDOCRINE GLANDS physiol.)

GENES, S.G., prof. (Khar'kov)

Pathogenesis of diabetes. *Kaz.med.shur.* 40 no.6:8-14 N-D '59.  
(MIRA 13:5)

(DIABETES)

GENES, S.G.; VELLER, N.S.; CHARNEYA, P.M. (Khar'kov)

Origin of hyperglycemia in the central nervous system in diabetes mellitus and on its significance in the utilization of carbohydrates by the brain. Pat. fiziol. i eksp. terap. 4 no. 6:34-39 N-D '60. (MIRA 14:2)

1. Iz otdela patofiziologii (zav. - zasluzhennyy deyatel' nauki prof. S.G. Genes) Ukrainskogo instituta eksperimental'noy endokrinologii.

(BRAIN) (CARBOHYDRATE METABOLISM) (PANCREAS)

GENES, S.G.; MAKAREVICH-GAL'PERIN, L.M.; USHENKO, S.N.

Effect of butamide, cyclamide, chlorcyclamide and chlorpropamide  
on the glycogen content of various tissues. Vop.med.khim. 6 no.5:  
469-474 S-O '60. (MIRA 14:1)

1. The Ukrainian Institute of Experimental Endocrinology, Kharkov.  
(DIABETES) (GLYCOGEN)



GENES, S.G.; PLAVSKAYA, A.A.

Certain aspects of the mechanism of action of a new hypoglycemic  
sulfonamide preparation cyclamide. Farm.i tosk. 23 no.2:147-155  
Mr-Ap '60. (MIRA 14:3)

1. Otdel patofiziologii (sav.-zasluzhennyi deyatel' nauki prof.S.G.  
Genes) Ukrainskogo instituta eksperimental'noy endokrinologii,  
(UREA) (BLOOD SUGAR)

GENES, S.G.; MAKAREVICH-GAL'PERIN, L.M.; USHENKO, S.N.

Effect of cyclamide, chlorcyclamide, chlorpropamide, and butamide  
on the blood sugar level in rats. Farm.i toks. 23 no.6:535-539  
N-D '60. (MIRA 14:3)

1. Ukrainskiy institut eksperimental'noy endokrinologii, Khar'kov.  
(BLOOD SUGAR)

GENES, S.G.,

Role of the endocrine glands in the restorative processes of the  
organism after surgery. Khirurgia 36 no. 5:69-77 My '60.

(MIRA 14:1)

(ENDOCRINE GLANDS) (OPERATIONS, SURGICAL)

GENES, S.G.; CHARNAYA, P.M.

Influence of sodium amytal on the transfer of sugar from the arterial blood into the tissue of the posterior extremities and into the brain.  
Biol. eksp. biol. i med. 49 no.1:54-58 Ja '60. (MIRA 13:7)

1. Iz otdela patofiziologii (zav. - zaslushennyi deyatel' nauki prof. S.G. Genes) Ukrainskogo instituta eksperimental'noy endokrinologii (dir. - starshiy nauchnyy sotrudnik S.V. Maksimov). Predstavlena deystv. chlenom AMN SSSR V.N. Chernigovskim.  
(AMOBARBITAL) (BLOOD SUGAR pharmacol.)  
EXTREMITIES (ANATOMY))

GENES, S.G.

Insulin resistance. Klin.med. 38 no.7:27-35 '60.

(MIRA 13:12)

(INSULIN)

GENES, Semen G. and [REDACTED]

"Today's view on the pathogenesis of diabetes mellitus"

Genes Head, Division of Pathological Physiology, Ukrainian Institute of  
Experimental Endocrinology

report to be submitted for the 20th Intl. Postgraduate Medical Course,  
organized by Czechoslovak Med. Society of J. E. Purkyne, Karlovy Vary, Czech.  
18 23 Sept. 1961

GENES, S. G., MAKAREVICH-GALPERTIN, L. M., and USHENKO, S. N. (USSR)

"The Effect of Antidiabetic Sulphonamides on the Glycogen Content  
in the Rat Liver and Muscles in Various Conditions."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1961

GENES, S.G. (Khar'kov)

Effect of insulin on the brain. Usp. sov. biol. 51 no. 2:188-203  
Mr-Apr '61. (MIRA 14:4)

(BRAIN) (INSULIN SHOCK)



GENES, S. G., zasluzhennyi deyatel' nauki prof. (Khar'kov)

Indications and contraindications for treating diabetes mellitus  
with sulfanilamide preparations. Klin. med. no.6:17-27 '61.  
(MIRA 14:12)

1. Iz Ukrainskogo instituta eksperimental'noy endokrinologii  
(dir. - starshiy nauchnyy sotrudnik S. V. Maksimov)

(DIABETES) (SULFONAMIDES)

GENES, S.G., prof., ~~zasluzhennyi~~ deyatel' nauki (Khar'kov)

Primary and secondary negative reactions to antidiabetic sulfanilamides.  
Vrach. delo no.6:51-57 Je '61. (MIRA 15:1)

1. Ukrainskiy institut eksperimental'noy endokrinologii.  
(DIABETES) (SULFONAMIDES)

GENES, S.G. (Khar'kov)

Mechanism of sugar-reducing action of sulfamides. Usp. sovr. biol.  
no.2:189-207 Mr-Apr '62. (MIRA 15:5)  
(SULFAMIDE) (SUGAR IN THE BODY)

GENES, S.G.; ALAPIN, G.Ya.; BURTYANSKIY, I.L. (Khar'kov)

Influence of sex hormones on compensatory hypertrophy of the  
kidneys. Urologiya no.6:28-34 '60. (MIRA 15:5)

1. Iz Ukrainskogo instituta eksperimental'noy endokrinologii  
(dir. S.V. Maksimov) Instituta usovershenstvovaniya vrachey  
(dir. I.I. Ovsienko) i 2-y Sovetskoy bol'nitsy.  
(KIDNEYS--DISEASES) (HORMONES, SEX)

GENES, S.G.; MAKAREVICH-GAL'PERIN, L.M.; USHENKO, S.N.

Glycogen content of the liver and muscles in rats in relation to time following administration of chlorpropamide and the duration of starvation. Biul. eksp. biol. i med. 52 no.7:65-68 J1 '61. (NIRA 15:3)

1. Iz Ukrainского instituta eksperimental'noy endokrinologii (direktor - kand.med.nauk S.V. Maksimov), Khar'kov. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym.  
(GLYCOGEN) (LIVER) (MUSCLES)  
(PROPIONAMIDE) (STARVATION)

**ALAPIN, G.Ya.; GENES, S.G.; BURTYANSKIY, I.L.**

Treatment of cancer of the prostate with chlortrianisene. Urologia no.1:69-71 '62. (MIRA 15:11)

1. Iz Ukrainskogo instituta eksperimental'noy endokrinologii, Instituta usovershenstvovaniya vrachey i 2-y Sovetskoy bol'nitsy (Khar'kov).

(PROSTATE—CANCER) (CHLORTRIANISENE)

GENES, S.G.; PLAVSKAYA, A.A.; YURCHENKO, M.Z. (Khar'kov)

Potentiating action of the new sugar-reducing, perorally effective preparation, chlorisopropamide. Probl.endok.i gorm. no.4:3-10 '62. (MIRA 15:11)

1. Iz otdela patofiziologii (zav. - zasluzhennyy deyatel' nauki prof. S.G. Genes) Ukrainskogo instituta eksperimental'noy endokrinologii (dir. - kand.med.nauk S.V. Maksimov).  
(PROPIONAMIDE)

GENES, S.G.

Role of the muscles in the development of insulin hypoglycemia.  
Trudy Ukr.nauch.-issl.inst.eksper.endok. 18:120-133 '61.

(MIRA 16:1)

1. Iz otdela patofiziologii Ukrainskogo instituta eksperimental'noy endokrinologii.

(INSULIN SHOCK)(MUSCLES)



GENES, S.G.; ZHUKOVA, A.I.; KALMYKOVA, K.M.; RODKINA, B.S.

Role of insufficiency of the insular apparatus of the pancreas  
in a change in blood pressure level. Trudy Ukr.nauch.-issl.inst.  
eksper.endok. 18:181-186 '61. (MIRA 16:1)

1. Iz otdela patofizologii Ukrainskogo instituta eksperimental'-  
noy endokrinologii i Ukrainskogo instituta usovershenstvovaniy  
vrachey.

(PANCREAS) (BLOOD PRESSURE)

GENES, S.G.; KARLINER, S.Ya.

Effect of various means of insulin injection into the body on the content of ketone bodies and their passage into the tissues.

Trudy Ukr.nauch.-issl.inst.eksper.endok. 18:187-195 '61.

(MIRA 16:1)

1. Iz otdela patofiziologii Ukrainskogo instituta eksperimental'-  
noy endokrinologii i iz Ukrainskogo instituta usovershenstvovaniya vrachey.

(INSULIN)

(ACETONEMIA)

GENES, Semen Grigor'yevich, zasl. deyatel' nauki; KOMISARENKO, V.P.,  
red.; POTOTSKAYA, L.A., tekhn. red.

[Peroral treatment of diabetes mellitus] Peroral'noe lechenie  
sakharnogo diabeta. Kiev, Gosmedizdat USSR, 1962. 278 p.  
(MIRA 16:3)

(DIABETES)

GENES, S.G.; CHAPKAYA, P.M.

The effect of chlorpropamide on the transport of blood sugar into brain tissue and posterior extremities. Biul. eksp. biol. i med. 54 no.8:53-56 Ag '62. (MIRA 17:11)

1. Iz otdela patofiziologii (zav. - zasluzhennyi deyatel' nauki prof. S.G. Genes) Ukrainskogo instituta eksperimental'noy endokrinologii (dir. - kand. med. nauk S.V. Maksimov). Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym.

GENES, Semen Grigor'yevich; USPENSKIY, V.I., red.; PARAKHINA, N.L.,  
tekhn. red.

[Diabetes mellitus] Sakharnyi diabet. Izd.5., perer. i dop.  
Moskva, Medgiz, 1963. 377 p. (MIRA 16:10)  
(DIABETES)

GENES, S.G. (Khar'kov)

Role of the liver in the development of insulin hypo-  
glycemia. Probl. endok. i gorm. no.2:36-43'63. (MIRA 16:7)

1. Iz Ukrainskogo instituta eksperimental'noy endokrinologii  
(direktor S.V.Maksimov)  
(LIVER) (INSULIN SHOCK)

GENEC, N. N. (K. N. Kov)

Role of endocrine glands in compensatory reactions of the  
organism. Sovr. vop. endok. no.2:163-187 '63. (MIRA 18:9)

GENES. S.G. (Khar'kov)

The 40th anniversary of the discovery of insulin. Pat. fiziol.  
i eksp. terap. 7 no.2:81-87 Mr-Ap'63. (MIRA 16:10)  
(INSULIN)



GENES, S.G., prof., zaslužennyy deyatel' nauki

Review of A.E. Lichko's book "Insuline comas. Clinical aspects,  
mechanisms of the development, and insulin shock treatment of  
psychoses." Probl. endok. i gorm. 9 no.5:118-120 S-0'63  
(MIPA 16:12)

GENES, S.G.

State of the adrenal cortex in diabetes mellitus. Terap.  
arkh. 35 no.1:3-11 Ja'63. (MIRA 16:9)

1. Iz Ukrainskogo instituta eksperimental'noy endokrino-  
logii, Khar'kov. (DIABETES) (ADRENAL CORTEX)

GENES, S.G. (Khar'kov)

Adrenal cortex and carbohydrate metabolism. Usp. sovr. biol. 55  
no.2:277-295 '63. (MIRA 17:8)

GENES, S.G.; LESNOY, N.G.

Effect of chlorisopropamide on experimentally induced resistance  
to insulin. Biul. eksp. biol. i med. 55 no.4:56-61 Ap '63.  
(MIRA 17:10)

1. Iz otdela patofiziologii (zav. - prof. S.G. Genes) Ukrainskogo  
instituta eksperimental'noy endokrinologii (dir. - kand. med. nauk  
S.M. Maksimov). Predstavlena deystvitel'nym chlenom AMN SSSR A.V.  
Lebedinskim.

GEORG, S.O.; MAYKOVICH-GADIMENIN, I.M.

Reaction of the chlorogen content in the liver and muscles to the  
duration of the chlorpropamide action and to the length of the  
fasting of animals. Trudy Ukr. nauch.-issl. inst. eksper. endok.  
19:3-8 '64. (MIRA 18:7)

GENES, S.G., LESNOY, N.G.

Insulin resistance induced by prednisolone in depancreatized dogs receiving insulin and the effect of chlorisopropanide on it. Trudy. ukr. nauch.-issl. inst. eksper. endok. 19:44-47 '64. (MIRA 18:7)

1. Iz otdela patofiziologii Ukrainskogo instituta eksperimental'noy endokrinologii.

GENES, S.G.; MAKAREVICH-GAL'PERIN, L.M.; CHARNAYA, P.M.

Effect of sodium amytal on sugar secretion by the liver and its  
extraction from the blood by some tissues. Biul.eksp.biol.i med.  
58 no.10:70-74 0 '64. (MIRA 18:12)

1. Otdel patofiziologii (zav. - prof. S.G.Genes) Ukrainskogo  
instituta eksperimental'noy endokrinologii (dir. - kand.med.  
nauk S.V.Maksimov), Khar'kov. Submitted July 9, 1963.

GENES, S.G.; CHARNAYA, P.M.

Role of the various tissues in the potentiation of the  
insulin effect by chlorpropamide. Probl. endok. i gorm.  
11 no.4:105-109 J1-Ag '65. (MIRA 18:11)

1. Otdel patofiziologii (zav.- prof. S.G. Genes) Ukrainskogo  
instituta eksperimental'noy endokrinologii, Khar'kov.



GENES, S.G.; NIKOLAYCHUK, S.P.

Effect of hypophysectomy and subsequent thyroidin administration  
on some functions of the adrenal cortex. Pat. fiziol. i eksp.  
terap. 9 no.5:74-76 S-0 '65. (MIRA 19:1)

1. Ukrainskiy institut eksperimental'noy endokrinologii (direktor -  
kand. med. nauk S.V. Maksimov), Khar'kov. Submitted May 4, 1964.

GENES, S.G.; DIAVSEAYA, A.A.; SAVIN, B.M.; YAVLINIY, M.P.

Hypoglycemic activity of N-benzenesulfonyl-N<sup>1</sup>-isopropylurea  
and N-benzenesulfonyl-N<sup>1</sup>-p-butylurea. Farm. i tokn. 28  
no.1:91-92 Ju-F '65. (MIR 18:12)

1. Ukrainskiy Institut eksperimental'noy endokrinologii i  
Zavod endokrinnykh preparatov, Khar'kov. Submitted July 29,  
1963.

GIL'Y, I.G. (Kher'kov)

Mechanism of the action of thyroid hormones and role of  
the suprarenal cortex in them. Usq. nevr. Biol. 36.3:411-  
437 N-D '65. (VIPA 10:1)



GENES, V.S.

GENES, S.G., professor; BAZLOV, Ye.A., dotsent; GAMPEN, V.V., dotsent; GENES  
V.S., starshiy nauchnyy sotrudnik.

Hyperestrogenisation and its significance in the development of  
human breast cancer. Vop. onk. 2 no.1:19-25 '56 (MLBA 9:4)

1. Ukrainskiy institut eksperimental'noy endokrinologii (dir.-S.V.  
Maksimov) i Ukrainskiy rentgeno-onkologicheskiy institut (dir.-  
dotsent Ye.A. Baslov)

(BREAST, neoplasms  
hyperfolliculinism in, review)

(ESTROGENS  
hyperfolliculinism in breast cancer, review)

LEDANOV, S.N.; GENES, V.S.; BELOVA, V.I.

Effect of the nervous system on the development of malignant  
tumors. Medych.shur. 21 no.3:37-45 '51. (MIRA 11:1)

1. Iz laboratorii patofiziologii (zav. - dots. S.N.Ledanov)  
Ukrains'kogo rentgeno-radiologichnogo i onkologichnogo Institutu  
(direktor - dots. Ye.A.Baylov)  
(NERVOUS SYSTEM) (CANCER)

GRANES, V.S.

Effect of adrenaline on the resistance of the organism to the growth of transplanted tumors. Medych.shur.22 no.2:17-21 '52. (MIRA 11:2)

1. Z laboratorii patofiziologii (sav. - dots. S.N.Ledanov) Ukrains'kogo rentgeno-radiologichnogo y onkologichnogo institutu (direktor - dots. Ye.A.Baslov)

(ADRENALINE) (TUMORS--TRANSPLANTATION)

GENES, V.S.; MATS, D.I.

Conference of radiologists on the problems of early mechanisms of  
radiation injuries, Kharkov, April 1958. Med.rad. 3 no.4:99-100  
J1-Ag '58. (MIRA 12:3)

(RADIATION SICKNESS)



MATS, D.I.; GENES, V.S.

Investigation of the effectiveness of treating patients with  
malignant tumors. Vop.onk. 5 no.10:472-476 '99. (MIRA 13:12)  
(CANCER)

L 16944-63

EWT(M)/ES(J)/BDS AFPTC/ASD AR/K

ACCESSION NR: AT3002377

S/2930/62/000/000/0169/0173

AUTHOR: Genes, V. S.; Il'yevich, A. I.; Kogan, A. I. (Kharkov) 56

TITLE: Early skin reactions of people exposed locally to acute X-irradiation and cobalt gamma irradiation

SOURCE: K voprosam ranney diagnostiki ostroy luchevoy bolezni; sbornik nauchnykh rabot. Kiev, Medgiz USSR, 1962, 169-173

TOPIC TAGS: irradiation skin reaction, X-ray, cobalt gamma ray, skin reaction index skin reaction identification

ABSTRACT: This study investigates the skin reactions of two groups of women (both groups totalling 32 women aged 31-60) being treated with X-ray and cobalt therapy for uterine cancer, the purpose of the study being to find the simplest methods of identifying early skin changes after irradiation. One buttock was exposed to a single dose of local irradiation (X-irradiation with energy of 200 kv for the first group, and Co<sup>60</sup> gamma irradiation of 250 r for the second group), and both buttocks were observed 5 days before and after irradiation. Indices used were: 1) tactile and pain sensitivity (determined by a special selection of needles of equal weight), 2) skin sensitivity to electric  
Card 1/2

L 16944-63

ACCESSION NR: AT3002377

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current (determined by a chronomaximeter-accomodator apparatus, 3) skin temperature (determined by an electronic thermometer), 4) perspiration (Korotkov's apparatus), 5) pilomotor reaction (other cooling of skin), 6) capillary brittleness (Nesterov's apparatus), 7) leucocyte number in capillary blood of skin sections. Results show that both types of irradiation cause changes in all the indices. These changes often occur within the first hour after irradiation but are unstable (with the exception of the leucocyte decrease) and vary with the individual. Despite the fact that only one side of the body was irradiated, almost all the changes occurred on both sides of the body and in some cases occurred only in the non-irradiated side. It is impossible to identify skin sections exposed to 250 r with the methods used because the changes are primarily of a neuroreflectory origin. Orig. art. has: None.

ASSOCIATION: None

DATE ACQ: 28May63

ENCL: 00

SUBMITTED: 00

DATE ACQ: 28May63

ENCL: 00

SUB CODE: AM

NO REF SOV: 011

OTHER: 000

Card 2/2

ARNAUTOV, A.K.; BURSHEYN, Sh.A.; GENES, V.S.; KOGAN, I.K.; MAMATTUK, Yo.M.;  
LITVINENKO, A.S.; MOSKALENKO, I.P.; NIKOLAYEVA, M.G.; PISKAREVA, Yo.V.;  
POPOVA, L.Ya.; RUDNEV, L.I.; SIDYAKIN, V.V.; TKACH, V.K.;  
FASTYUCHENKO, O.V.; FISUN, A.N.; FRENKEL', L.A.; TSYHENKO, N.A.;  
SHRAMENKO, B.I.

Comparative study on the effect of X rays (197 kv) and braking radiation generated with linear accelerator (3 Mev) upon animals. Radiobiologiya 2 no.2:211-215 '62. (MIRA 15:4)

1. Khar'kovskiy institut meditsinskoy radiologii i Ukrainskoy fiziko-tekhnicheskoy institut AN USSR, Khar'kov.

(RADIATION--PHYSIOLOGICAL EFFECT)

ARNAUTOV, A. K.; BURSHTEYN, S. A.; GENES, V. S.; DZHAFAROV, G. K.;  
KOGAN, I. A.; MAMOTYUK, Ye. M.; NIKOLAYEVA, M. G.; PISKAREVA,  
Ye. V.; POPOVA, L. Y.; TKACH, V. K.; FASTUCHENKO, O. V.;  
FREINKEL', L. A.; TSYDENKO, P. A.

Characteristics of some early reactions of rats, irradiated  
with various doses, to burning by flame. Radiobiologiya 2 no.3:  
406-413 '62. (MIRA 15-7)

1. Institut meditsinskoy radiologii, Khar'kov.

(X RAYS---PHYSIOLOGICAL EFFECT)  
(BURNS AND SCALDS)

GENES, V.S.; CHIKVASHVILI, Sh.M.

Function of the thyroid gland in compensatory hypertrophy of the  
kidneys and ovaries. Biul.eksp.biol.i med. 53 no.6:19-23 Je '62.  
(MIRA 15:10)

1. Iz Khar'kovskogo nauchno-issledovatel'skogo instituta  
meditsinskoy radiologii i Ukrainского instituta usovershenstvovaniya  
vrachey. Predstavlena deystvitel'nyy chlenom AMN SSSR V.V.Parinym.  
(THYROID GLAND) (OVARIES) (KIDNEYS)

GENES, Vladimir Semenovich; SHVEISOV, I.M., red.

[Tables of significant differences between groups of observations according to qualitative indices; a manual on the statistical analysis of the results of observations and experiments in medicine and biology] Tablitsy dostovernnykh razlichii mezhdu gruppami nabludeni po kachestvennym pokazateliam; posobie po statisticheskoi obrabotke rezul'tatov nabludeni i opytov v meditsine i biologii. Moskva, Meditsina, 1964. 79 p.

(MIRA 17:5)

L 41596-65

ACCESSION NR: AR5008896

S/0299/65/000/005/A011/A011

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 5A52

AUTHOR: Genes, V. S.

TITLE: Tables of reliable differences between groups of observations according to qualitative indiccs. Textbook on the statistical treatment of the results of observations and tests in medicine and biology

CITED SOURCE: Tablitsy dostovernnykh razlichniy mezhdru gruppami nabludeniy po kachestvennym pokazatelyam. Posobiye po stat. obrabotke rezul'tatov nablyudeniy i opytov v meditsine i biologii., M., Meditsina, 1964, 80 str.

TOPIC TAGS: statistical analysis, probability, biostatistics

ABSTRACT: Levels of probability for observed differences (either 0.025-0.011, or  $\leq 0.010$ , or  $< 0.010$  for unilateral criteria) corresponding to variants being compared are given for a four-field table of the results of observations for groups numbering from 4 to 20 for all of their possible combinations. Combinations having a probability with differences greater than 0.025, inasmuch as they do not represent

Card 1/2



L 41596-65

ACCESSION NR: AR5008896

reliable differences, are not given in the tables. For groups containing more than 20 observations the author recommends the use of tables given in the book by A. Ya. Boyarskiy (*Statistical Methods in Experimental Medical Research*, 1955); if a frequency of sign of less than 5 is observed in some group, the calculations should be performed according to the precise method of Fisher (*Statistical Methods for Researchers*, 1958, pages 82-84). (V. Chlenov)

SUB CODE: MA, LS

ENCL: 00

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Card 2/2

L 59548-65 ENG(j)/EWT(m)

ACCESSION NR: AP5015741

UR/0205/65/005/003/0476/0478  
616.001.28

AUTHOR: Genes, V. S.; Kogan, I. A.

TITLE: Effect of acute radiation sickness of varying severity on the reactivity  
of rat nervous system to burns

SOURCE: Radiobiologiya, v. 5, no. 3, 1965, 476-478

TOPIC TAGS: X irradiation, radiation sickness, burn, central nervous system,  
radiology

ABSTRACT: In contrast with the control animals, rats which are irradiated after having been burned exhibited decreased skin sensitivity, increase in accommodation of n. tibialis and n. peroneus, and, after large radiation doses, a lengthening of chronaxie. There were also changes in nerve function and in the subordination index. Analysis of the changes in reactivity in relation to the radiation dose showed that the frequency of distorted reactions tended to increase with the size of the dose. The authors concluded that burns of a certain intensity (sufficient to kill 30-35% of the rats) increase the excitability of the nervous system while slightly

Card 1/2

L 59548-65

ACCESSION NR: AP5015741

modifying intracentral relations. Reactions to the burns after irradiation are generally distorted or inapparent. The burns, in turn, seemingly overcome the defense-adaptation reactions of the nervous system that follow exposure to low doses of radiation and aggravate the lesions, especially during the first 2 days after exposure. (orig. art. has: 1 figures.

ASSOCIATION: Khar'kovskiy institut meditsinskoy radiologii (Kharkov Institute of Medical Radiology)

SUBMITTED: 13Sep63

ENCL: 00

SUB CODE: LS, NP

NO REF SOV: 005

OTHER: 001

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Card 2/2

GENESIN, A.; KILCH, V.

Labor productivity in plants operating ram impact machines. Metallurg  
10 no.9:22-23 S '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii  
produktstva i truda chernoy metallurgii.